

## **ABSTRACT OF THE DISCLOSURE**

The present invention is directed to methods for extracting markers from biological samples, and to systems, devices, kits and reagents for use in such methods. The invention is also to methods, kits, reagents and compositions for measuring a plurality of different organism types  
5 in a sample. One of the specific advantages of the present invention is the ability to simultaneously extract more than one microorganism or viral particle marker in one volume from a single sample containing a complex biological matrix.